5-inch Network Speed Dome

Quick Guide

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

This manual applies to 5-inch network speed dome.

This manual may contain several technical incorrect places or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.

DISCLAIMER STATEMENT

"Underwriters Laboratories Inc. ("UL") has not tested the performance or reliability of the security or signaling aspects of this product. UL has only tested for fire, shock or casualty hazards as outlined in UL's Standard(s) for Safety, UL60950-1. UL Certification does not cover the performance or reliability of the security or signaling aspects of this product. UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY SECURITY OR SIGNALING RELATED FUNCTIONS OF THIS PRODUCT."

Regulatory Information

FCC Information

FCC compliance: This equipment has been tested and found to comply with the limits for a digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation

EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2006/95/EC, the EMC Directive 2004/108/EC, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into **Warnings** and **Cautions**:

Warnings: Neglecting any of the warnings may cause serious injury or death.

Cautions: Neglecting any of the cautions may cause injury or equipment damage.

Warnings Follow these safeguards to prevent serious injury or death.	**Cautions** Follow these precautions to prevent potential injury or material damage.

Warnings

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Please use the power adapter, which is provided by normal company. The standard of the power adapter is 24VAC±10% or 12VDC±10% (depending on models). The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install or dismantle the speed dome.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the speed dome yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

Cautions

- Do not drop the dome or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the dome in extremely hot, cold, dusty or damp locations, otherwise fire or electrical shock will occur. The operating temperature should be -30°C ~ 65°C (outdoor speed dome) and -10°C ~ 50°C (indoor speed dome).
- The dome cover for indoor use shall be kept from rain and moisture.

- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the speed dome at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Please use the provided glove when open up the dome cover, avoid direct contact with the dome cover, because the acidic sweat of the fingers may erode the surface coating of the dome cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the dome cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the speed dome to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the speed dome and lead to additional costs.

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1 Overview

Please turn the power off before connect the cables.

The cable interfaces of network speed dome are shown in following figure. The cables are distinguished by different colors. The labels attached on the cables are for identification.

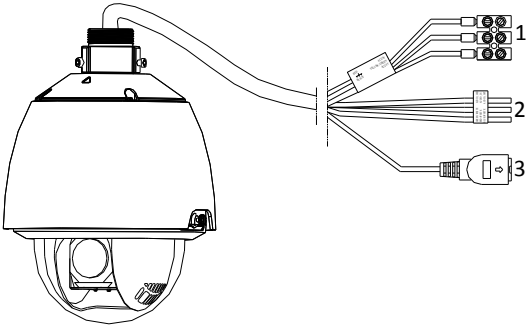

Figure 1-1 Overview

Table 1-1 Overview

No.	Description
1	Power Cables
2	Audio Input/Output Cables
3	Network Cable

2 Installation

Before you start:

Check the package contents and make sure that the device in the package is in good condition and all the assembly parts are included.

Note: Do not drag the speed dome with its waterproof cables as shown in Figure 2-1, otherwise the waterproof performance is affected.

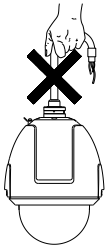

Figure 2-1 Do Not Drag the Cables

2.1 Wall Mounting

Steps:

1. Loosen the two lock screws as shown in the following figure.
2. Remove the lower dome.

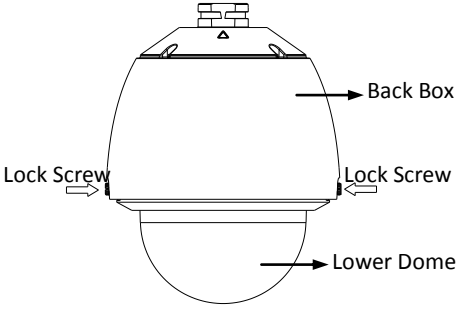

Figure 2-2 Disassemble the Speed Dome

3. Remove the protective lens cover, foam and sticker as shown in the following figure.
4. Install the lower dome back and tighten the two lock screws.

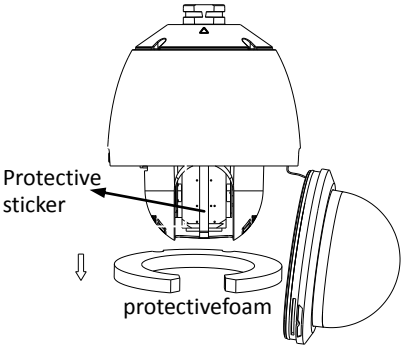

Figure 2-3 Disassemble the Speed Dome

5. Drill four M8 screw holes on the wall according to the screw holes of the wall mount.
6. Secure the wall mount to the wall with screws.

Notes:

- For cement wall mounting, you need to use the expansion screw to fix the mount. The mounting hole of the expansion pipe on the wall should align with the mounting hole on the mount.
- For wooden wall mounting, you can just use the self-tapping screw to fix the bracket.
- Please make sure that the wall is strong enough to withstand more than 8 times the weight of the dome and the mount.

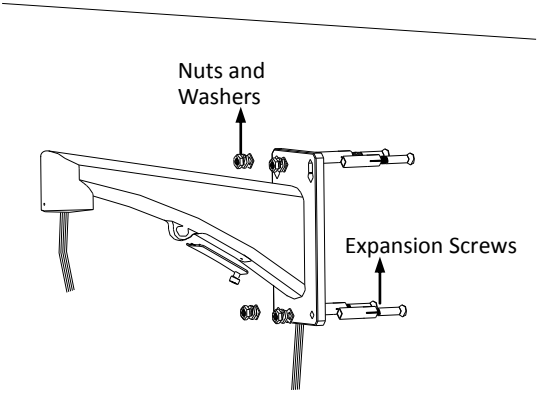

Figure 2-4 Install the Wall Mount

7. Wrap the thread part with the thread tape and rotate the pendant adapter to the wall mount.
8. Secure the pendant adapter to the wall mount with a set screw as shown in Figure 2-5.

9. Loosen the lock screws of the adapter.

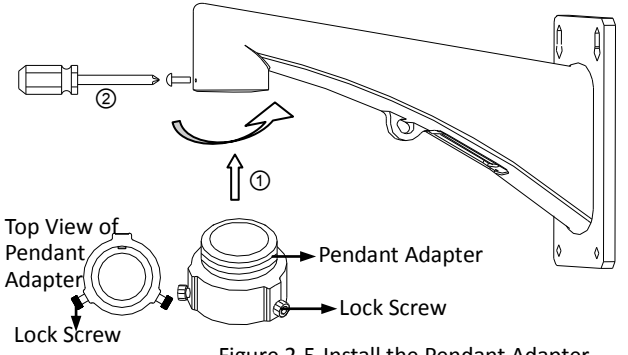

Figure 2-5 Install the Pendant Adapter

Note: The dimension of pendant adapter is G1$\frac{1}{2}$.

10. Hook the two ends of the safety rope to the back box of the speed dome and the wall mount respectively. Route the cables through the mount.
11. Align the direction label of pendant adapter with the label of the back box to install the speed dome as shown below.

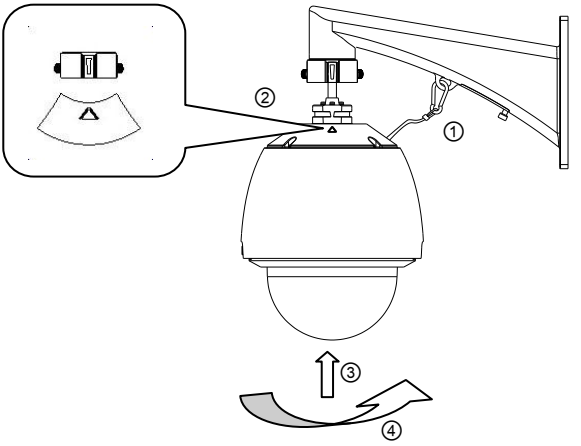

Figure 2-6 Align the Labels

12. Rotate the back box clockwise tightly. Secure the back box and the pendant adapter with the two lock screws.

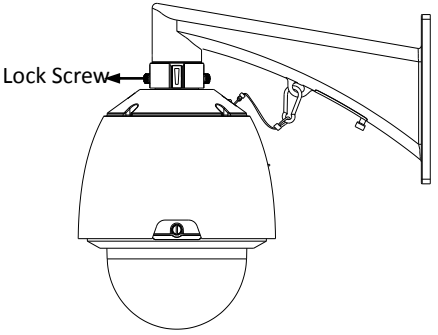

Figure 2-7 Tighten the Lock Screws

2.2 In-ceiling Mounting

Before you start:

The in-ceiling mounting is applicable to the indoor ceiling construction. The followings are the mandatory precondition for mounting:

- The height of the space above the ceiling must be more than 250mm.
- The thickness of the ceiling must ranges from 5 to 40mm.
- The ceiling must be strong enough to withstand more than 4 times the weight of the dome and its accessories.

Steps:

1. Rotate the lower dome counterclockwise to separate it from the back box as shown in Figure 2-8.
2. Remove the protective lens cover, foam and sticker from the dome drive.
3. Attach lower dome to the back box, and rotate clockwise to secure it.

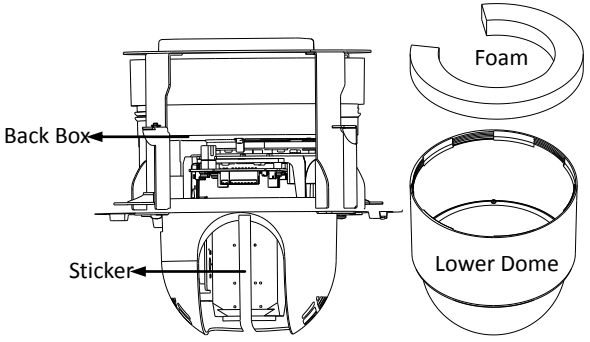

Figure 2-8 Remove the Protective Accessory

4. Drill a hole on the ceiling according to the drill template (supplied).

Note: ±2mm of the diameter of the circle is tolerable.

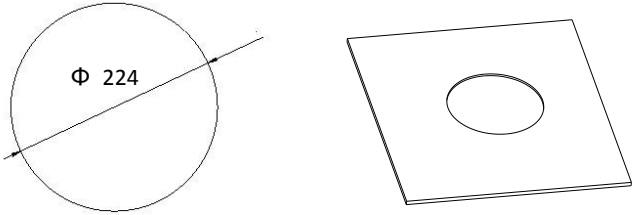

Figure 2-9 Draw and Cut a Hole on the Ceiling

5. Connect the cables.

The cables have been connected to the corresponding interfaces. Connect the power cable and the red LED indicator turns on when the power is on.

Note: Please turn the power off after checking the speed dome.

6. Install the speed dome to the ceiling.

Steps:

1). Loosen the two lock screws on both sides of the back box and make the locks in internal position, as shown in the following figure:

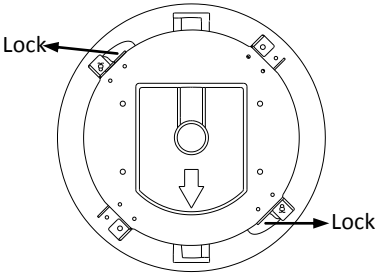

Figure 2-10 Locks and Lock Screws

2). Push the speed dome into the mounting hole in the ceiling.

3). Tighten the lock screws with the screwdriver and the locks will automatically rotate outwards to secure the in-ceiling mount to the ceiling.

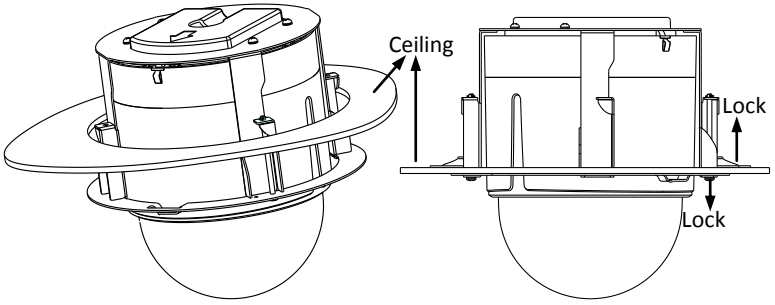

Figure 2-11 Install the back box

7. Install the trim ring.

Steps:

1). Attach the trim ring to the lower dome and align the triangular notch of the trim ring with the arrow label on the in-ceiling mount.

2). After having firmly placed the trim ring to the ceiling, rotate the trim ring in the direction of arrow to secure the trim ring in place.

Notes:

- Please remove the protective film on the lower dome after the installation is finished.
- In order to obtain clear video images, please wear the anti-static gloves when you install the speed dome.

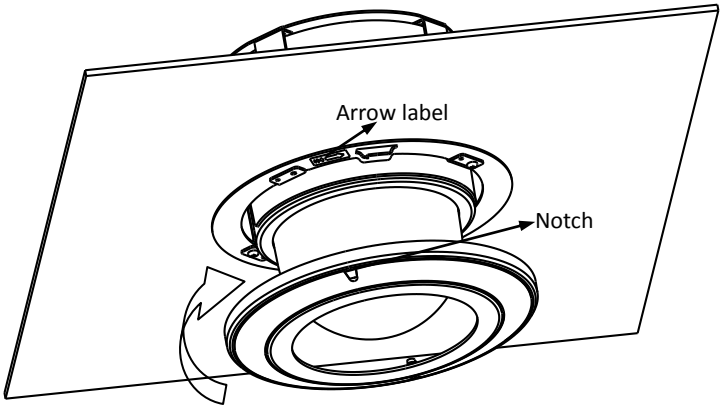

Figure 2-12 Install the Trim Ring

2.3 Ceiling Mounting

Before you start:

- The thickness of the ceiling must ranges from 5 to 40mm.

- The ceiling must be strong enough to withstand more than 4 times the weight of the dome and its accessories.

2.3.1 Wiring For Ceiling Mounting Applications

The cables of dome can be routed either from the top or the side of the back box, as shown in Figure 2-13. For the cables routed from the top of the back box, it is required to drill a cable hole in the ceiling.

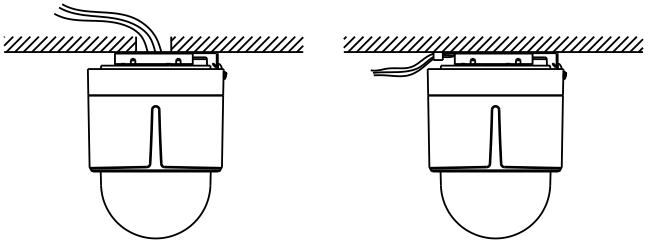

Figure 2-13 Cabling for Ceiling Mounting

2.3.2 Mounting

Before you start:

- If the speed dome is installed to the wooden wall, use the self-tapping screws to secure the mounting base.
- If the dome is installed to the cement wall, drill three Φ5 screw holes onto the wall according to the hole locations, and then secure the mounting base to the wall with expansion screws.

Steps:

1. Rotate the lower dome counterclockwise to separate it from the back box.
2. Remove the protective lens cover, foam and sticker from the dome drive.

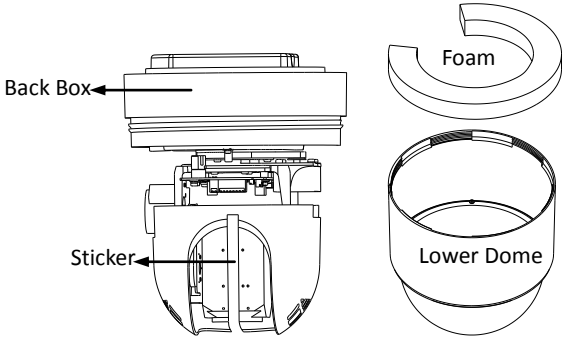

Figure 2-14 Remove the Protective Accessory

3. Attach lower dome to the back box, and rotate clockwise to secure it.
4. Use the mounting base as a template to mark four screw holes onto the ceiling.

5. If you route cables from the top of the back box, mark the cable hole on the ceiling and drill a hole.
6. Secure the mounting base to the ceiling with set screws.

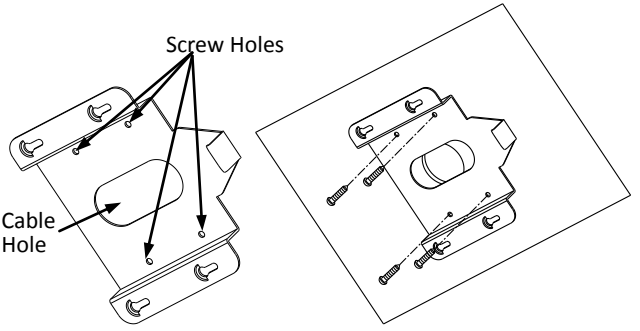

Figure 2-15 Mark the Screw Positions

- If the speed dome is installed to the wooden wall, use the self-tapping screws to secure the mounting base.
- If the dome is installed to the cement wall, drill three Φ5 mounting holes onto the wall according to the hole locations, and then insert the cement screws into the holes and finally use self-tapping screws to secure the mounting base to the wall.

7. Install the speed dome to the mounting base.

Steps:

1). Route the cables for the speed dome. Align the bottom of the speed dome with the mounting base.

2). Line up the direction of arrow with the spring end of the mounting base.

3). Push the speed dome upwards and then forwards in the direction of arrow. When the speed dome is placed in position, the spring will automatically snap into the lock clip firmly. Refer to the following figure.

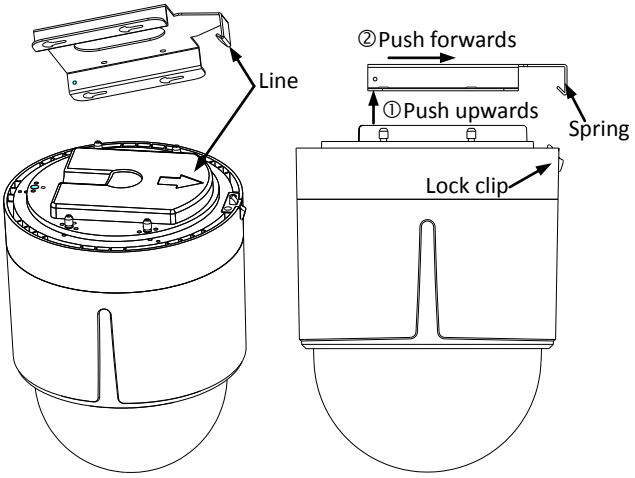

Figure 2-16 Attach the Back Box to the Mounting Base

Notes:

- Please remove the protective film on the lower dome after the installation is finished.
- Do not touch the bubble of the lower dome directly by hand. The image blurs otherwise.

3 Setting the Dome over the LAN

To view and configure the speed dome via LAN(Local Area Network), you need to connect the network speed dome in the same subnet with your PC. Then, install the SADP or client software to search and change the IP of network speed dome.

- The following figure shows the cable connection of network speed dome.

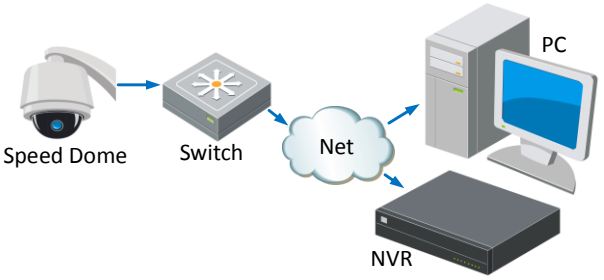

Figure 3-1 Wiring over LAN

- Set the IP address of the speed dome for accessing via LAN.

Steps:

1. To get the IP address, you can choose either of the following methods:
   - ☐ Use SADP, a software tool which can automatically detect network speed dome in the LAN and list the device information like IP address, subnet mask, port number, device serial number, device version, etc., shown in Figure 3-2.
   - ☐ Use client software to list the online devices. Please refer to the user manual of client software for detailed information.
2. Change the IP address and subnet mask to the same subnet as of your PC.

   Refer to the following introductions to set IP address with SADP software:

   - ☐ **Search active devices online**

     Search online devices automatically:

     After launch the SADP software, it automatically searches the online devices every 15 seconds from the subnet where your computer locates. It displays the total number and information of the searched devices in the Online Devices interface. Device information including the device type, IP address, port number, gateway, etc. will be displayed.

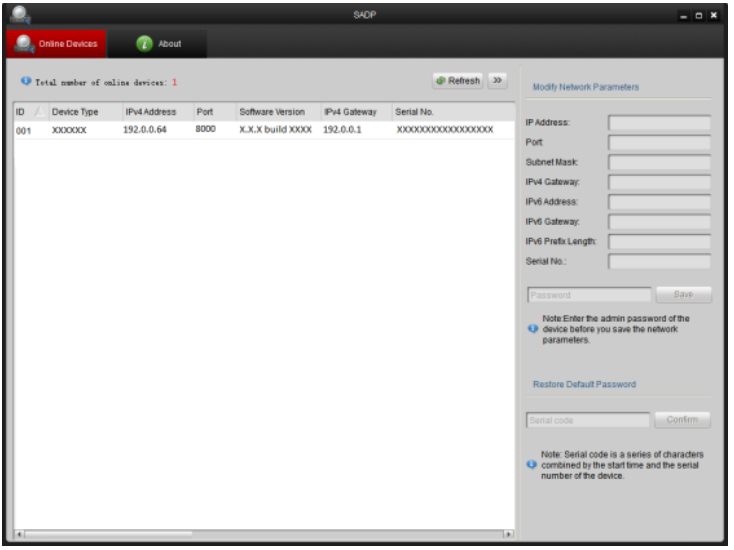

Figure 3-2 Searching Online Devices

Note: Device can be searched and displayed in the list in 15 seconds after it goes online; it will be removed from the list in 45 seconds after it goes offline.

Search online devices manually:

You can also click Refresh to refresh the online device list manually. The newly searched devices will be added to the list.

Note: You can click or on each column heading to order the information; you can click to show the device table and hide the network parameter panel on the right side, or click to show the network parameter panel.

☐ **Modify device information**

Steps:

1). Select the device to be modified in the device list as shown in Figure 3-3. The network parameters of the device will be displayed in the Modify Network Parameters panel on the right side as shown in Figure 3-4.

2). Edit the modifiable network parameters, e.g. IP address and port number.

3). Enter the password of the admin account of the device in the Password field and click Save to save the changes.

Figure 3-3 Select a Device

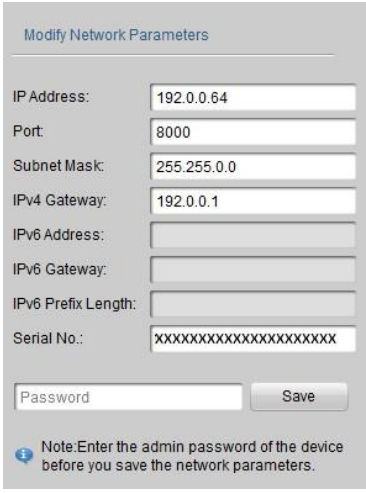

Figure 3-4 Modify Network Parameters

3. Enter the IP address of speed dome in the address field of the web browser to view the live video.

Notes:

- The default value of the IP address is 192.0.0.64. The default user name of administrator is admin, and password is 12345.
- For accessing the network speed dome from different subnets, please set the gateway for the network speed dome after you log in.

4 Accessing via Web browser

System Requirement:

Operating System: Microsoft Windows XP SP1 and above version / Vista / Win7 / Server 2003 / Server 2008 32bits

CPU: Intel Pentium IV 3.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: Internet Explorer 7.0 and above version, Apple Safari 5.02 and above version, Mozilla Firefox 3.5 and above version and Google Chrome8 and above version

Steps:

1. Open the web browser.
2. In the browser address bar, input the IP address of the network speed dome, e.g., 192.0.0.64 and press the Enter key to enter the login interface.
3. Input the user name and password.
4. Click

.

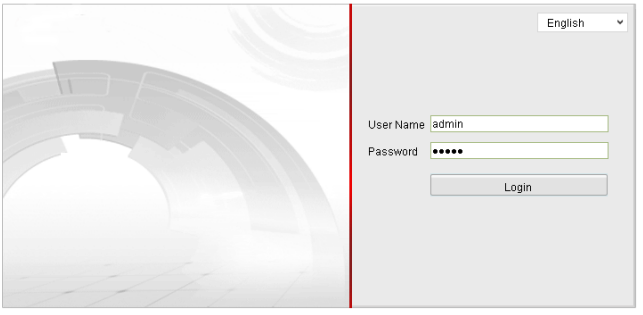

Figure 4-1 Login Interface

5. Install the plug-in before viewing the live video and managing the network speed dome. Please follow the installation prompts to install the plug-in.

Note: You may have to close the web browser to finish the installation of the plug-in.

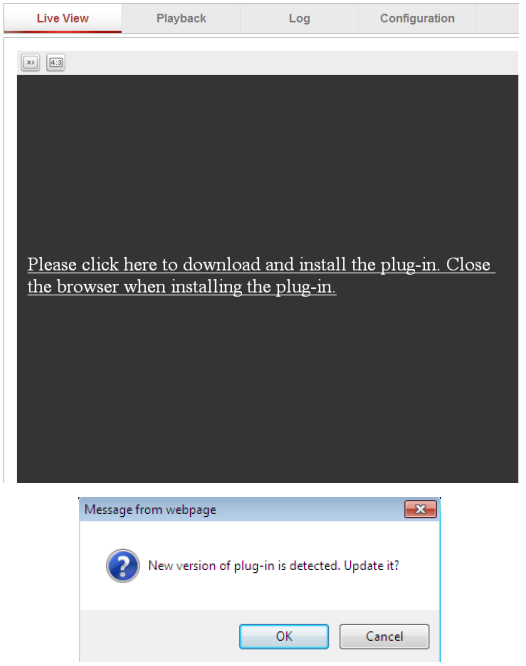

Figure 4-2 Download Plug-in

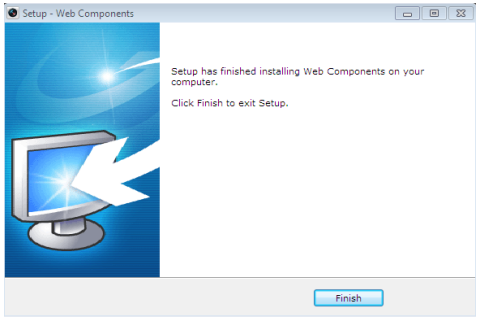

Figure 4-3 Install Plug-in

6. Reopen the web browser after the installation of the plug-in and repeat the above steps 2-4 to login.

Note: For detailed instructions of further configuration, please refer to the user manual of network speed dome.